International application No.

PCT/JP2005/006189 CLASSIFICATION OF SUBJECT MATTER Int.Cl7 A61K35/12, 39/395, 48/00, A61P25/00, C07K16/46, C12N5/10, 15/09 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 A61K35/12, 39/395, 48/00, A61P25/00, C07K16/46, C12N5/10, Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAP(STN), BIOSIS(STN), MEDLINE(STN), EMBASE(STN), WPIDS(STN), JOIS C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. HEPPNER, FL et al., 'PREVENTION OF SCRAPIE X 7-15,17-27 Υ PATHOGENESIS BY TRANSGENIC EXPRESSION OF 1-6, 16, 28, 29 ANTI-PRION PROTEIN ANTIBODIES.', SCIENCE, (2001), Vol.294, No.5540, pages 178 to 182, full text Х WHITE, AR et al., 'MONOCLONAL ANTIBODIES 7-15,17-27 Υ INHIBIT PRION REPLICATION AND DELAY THE 1-6,16,28,29 DEVELOPMENT OF PRION DISEASE.', NATURE, (2003), Vol.422, No.6927, pages 80 to 83, full text Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand to be of particular relevance the principle or theory underlying the invention "F" earlier application or patent but published on or after the international document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive filing date "L." step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other document of particular relevance; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is combined with one or more other such documents, such combination "()" document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art "P" document published prior to the international filing date but later than the priority date claimed document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 11 July, 2005 (11.07.05) 26 July, 2005 (26.07.05) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office

Telephone No.

International application No.
PCT/JP2005/006189

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C (Continuation	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Y	KUROZUMI, K. et al., 'BDNF GENE-MODIFIED MESENCHYMAL STEM CELLS PROMOTE FUNCTIONAL RECOVERY AND REDUCE INFARCT SIZE IN THE RAMIDDLE CERABRAL ARTERY OCCULUSION MODEL', MOL.THER., (2004 FEB.), Vol.9, No.2, pages 189 to 187, full text		1-6,16,28, 29
Y	TSUDA, H. et al., 'EFFICIENT BMP2 GENE TRANSFER AND BONE FORMATION OF MESENCHYMAI STEM CELLS BY A FIBER-MUTANT ADENOVIRAL VECTOR.', MOL.THER., (2003), Vol.7, No.3, pages 354 to 365, full text		1-6,16,28, 29
Y	KOBUNE, M. et al., 'TELOMERIZED HUMAN MULTIPOTENT MESENCHYMAL CELLS CAN DIFFERENTIATE INTO HEMATOPOIETIC AND COBBLESTONE AREA-SUPPORTING CELLS.', EXP.HEMATOL., (2003), Vol.31, No.8, pages 715 to 722, full text		1-6,16,28, 29
	·		

International application No.

PCT/JP2005/006189

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. X Claims Nos.: 24-27, 30 because they relate to subject matter not required to be searched by this Authority, namely: Claims 24 to 27 and 30 involve embodiments concerning methods for treatment of the human body by therapy and thus relate to a subject matter which this International Searching Authority is not required, under the provisions of Article 17(2)(a)(i) of the PCT (continued to extra sheet) 2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest
No protest accompanied the payment of additional search fees.

International application No.
PCT/JP2005/00618

PCT/JP2005/006189 Continuation of Box No.II-1 of continuation of first sheet(2) and Rule 39.1(iv) of the Regulations under the PCT, to search.

International application No.

PCT/JP2005/006189

	ATION OF SUBJECT MATTER 7 A61K35/12, 39/395, 48/00, A6 15/09	1P25/00, C07K16/46, C12	N5/10,
According to Int	ernational Patent Classification (IPC) or to both nation	al classification and IPC	
B. FIELDS SI			
Minimum docu Int . Cl	nentation searched (classification system followed by c A61K35/12, 39/395, 48/00, A6 15/09		N5/10,
Jit <i>s</i> uyo Kokai J		itsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	1996-2005 1994-2005
	N), BIOSIS(STN), MEDLINE(STN),		
C. DOCUMEN	VIS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X Y	HEPPNER, FL et al., 'PREVENT PATHOGENESIS BY TRANSGENIC E: ANTI-PRION PROTEIN ANTIBODIE: (2001), Vol.294, No.5540, pag full text	XPRESSION OF S.', SCIENCE,	7-15,17-27 1-6,16,28,29
X Y	WHITE, AR et al., 'MONOCLONAI INHIBIT PRION REPLICATION ANI DEVELOPMENT OF PRION DISEASE (2003), Vol.422, No.6927, pag full text	D DELAY THE .', NATURE,	7-15,17-27 1-6,16,28,29
× Further de	ocuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "E" later document published after the international the principle or theory underlying the inverse date and not in conflict with the application the principle or theory underlying the inverse considered novel or cannot be consider		ation but cited to understand invention Taimed invention cannot be dered to involve an inventive daimed invention cannot be step when the document is documents, such combination and	
	l completion of the international search y, 2005 (11.07.05)	Date of mailing of the international search report 26 July, 2005 (26.07.05)	
	Name and mailing address of the ISA/ Japanese Patent Office Authorized officer		
Facsimile No. Form PCT/IS.4/21	0 (second sheet) (January 2004)	Telephone No.	

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

International application No.

PCT/JP2005/006189

	101/01	2003/000189
(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KUROZUMI, K. et al., 'BDNF GENE-MODIFIED MESENCHYMAL STEM CELLS PROMOTE FUNCTIONAL RECOVERY AND REDUCE INFARCT SIZE IN THE RAT MIDDLE CERABRAL ARTERY OCCULUSION MODEL', MOL.THER., (2004 FEB.), Vol.9, No.2, pages 189 to 187, full text	1-6,16,28, 29
Y	TSUDA, H. et al., 'EFFICIENT BMP2 GENE TRANSFER AND BONE FORMATION OF MESENCHYMAL STEM CELLS BY A FIBER-MUTANT ADENOVIRAL VECTOR.', MOL.THER., (2003), Vol.7, No.3, pages 354 to 365, full text	1-6,16,28,
Y	KOBUNE, M. et al., 'TELOMERIZED HUMAN MULTIPOTENT MESENCHYMAL CELLS CAN DIFFERENTIATE INTO HEMATOPOIETIC AND COBBLESTONE AREA-SUPPORTING CELLS.', EXP.HEMATOL., (2003), Vol.31, No.8, pages 715 to 722, full text	1-6,16,28, 29

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International application No.

PCT/JP2005/006189 Continuation of Box No.II-1 of continuation of first sheet(2) and Rule 39.1(iv) of the Regulations under the PCT, to search.